

PATENT

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ABSTRACT OF THE DISCLOSURE

A system is provided having a hydraulic circuit configured to move one structural member relative to another, and an assist cylinder connected between the structural members and configured to generate and retain potential energy when the one structural member moves from a greater potential energy position to a lower potential energy position, and to convert the potential energy to kinetic energy used to generate a force exerted through the assist cylinder that assists the hydraulic circuit in returning the one structural member toward the position of greater potential energy.

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